

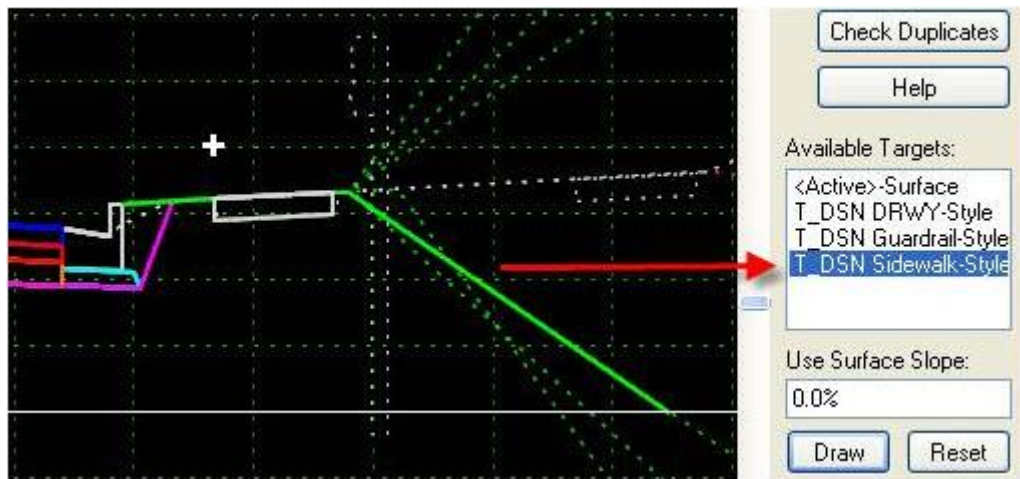
2_31 TARGETING GUARDRAIL AND SIDEWALK GRAPHICS FOR A C&G TEMPLATE

Question:

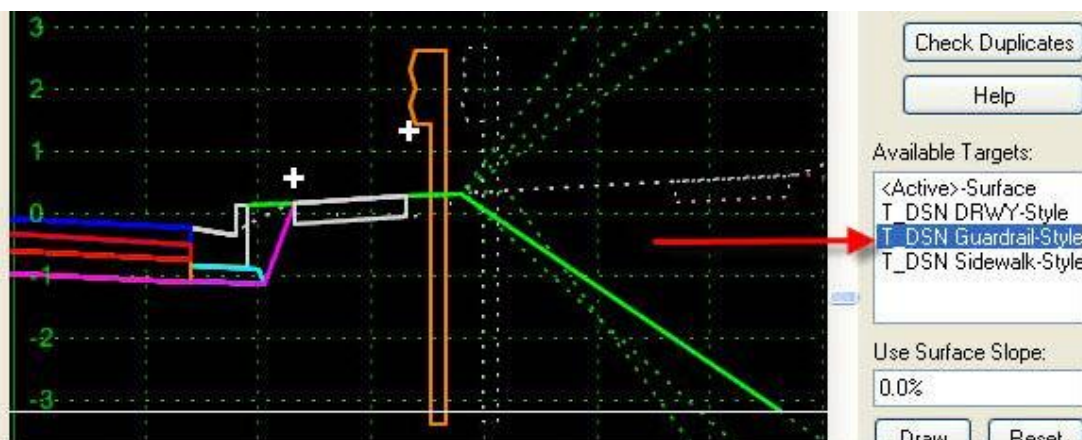
How does the C&G template target guardrail and sidewalk graphics?

Answer:

1. Sidewalks are targeted by storing the inside edge sidewalk line as a chain and by setting the drafting standard to "T_DSN Sidewalk". With parametric constraints, you can change the sidewalk depth and width.



2. According to the Roadway Design Manual (Part 1, 3-5), guardrail is usually placed at the face of the curb or preferably 12' behind face of the curb and behind sidewalk. In the past, Criteria has locked these two options. With corridor modeling, the guardrail location can "float" anywhere within the limits of the berm. Guardrail graphics are targeted by storing the guardrail line as a chain and by setting the drafting standard to "T_DSN Guardrail".



Note for C&G catch slopes and with a design speed greater than 35 MPH, guardrail is warranted for a slope of 2:1 and fill height greater than 10' (RDM 1-7D). A display rule is written to turn off guardrail graphics when this condition exists.